



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>

1

English.

First Book of Reading.....	0 1½
Second Book of Reading.....	0 3
Simple Lessons in Reading.....	0 10
Rudiments of Knowledge.....	0 10
Moral Class-Book.....	1 6
Composition, Introduction to.....	0 6
Grammar, Introduction to.....	1 0
Grammar and Composition.....	2 0

D'Orsey, 2 Parts, each 1s. 6d.....	3	0
Etymology.....	2	0
Elocution.....	2	6
English Language and Literature.....	2	6

Writing—Plain, Current, Hand,
and Ornamental; in Fifteen
Copy-Books (*post size*), each.....0 6
First Book of Drawing.....1 0
Second Book of Drawing.....1 0
Drawing Books—18 Books, each.....1 6
Books 1. to 18. are published.

Geography, General Treatise on.....	3	6
Geographical Primer.....	0	8
Text-Book of Geography for England.....	0	10
School-Room Maps of England, Ireland, Scotland, Europe, Asia, Palestine, North America, South America, and Africa, each	14	0
The Hemispheres.....	21	0
School Atlas of Modern & Ancient Geography ; 34 quarto Maps.....	10	6
Primer Atlas ; 9 quarto Maps.....	2	6

Ancient History.....	3	0
History of Greece.....	2	6
History of Rome.....	2	6
History of the British Empire.....	2	6
Exemplary & Instructive Biography	2	6

Introduction to Arithmetic	1	0
Arithmetic (Advanced Treatise).....	2	0
Key to Arithmetic.....	2	0
Book-Keeping by S. and D. Entry	3	0
Book-Keeping by Single Entry	1	0

Books for Do
Algebra.....
Key to Algebr

Plane Geometry.....	2	6
Key to Plane Geometry.....	2	0
Solid and Spherical Geometry.....	2	0
Practical Mathematics, 2 Parts.....	7	0
Key to Practical Mathematics.....	3	6
Mathematical Tables.....	3	0

Introduction to the Sciences.....	1	0
Laws of Matter and Motion.....	0	10
Mechanics.....	0	10
Hydrostatics, Hydraulics, &c.....	0	10
Acoustics	1	0
Optics	1	0
Astronomy	1	0
Electricity.....	1	0
Meteorology.....	1	0
Natural Philosophy, Vol. I.....	3	0
Vol. II.....	3	0

Illustrated with copious English Notes and
Prefaces.

Latin Grammar, Elementary.....	2	0
, Advanced.....	3	6
Latin Exercises, Elementary.....	1	3
, Advanced.....	2	0
Latin and English Dictionary.....	9	0
Latin-English Part.....	5	0
English-Latin Part.....	4	6
Caesar.....	2	6
Sallust.....	2	0
Quintus Curtius.....	3	6
Ovid.....	3	6
Horace.....	3	6
Virgil.....	4	6
Livy.....	4	0
Cicero.....	3	6
Nepos.....	2	6
Phædrus's Fables.....	1	6
Key to Advanced Latin Exercises.....	2	0

Edited by Dr Aue.

First German Reading Book.....	2	0
Second German Reading Book.....	3	0
German Grammar.....	3	6
Phrase-Book, English-German.....	2	0
German Dictionary. Part I. German-		

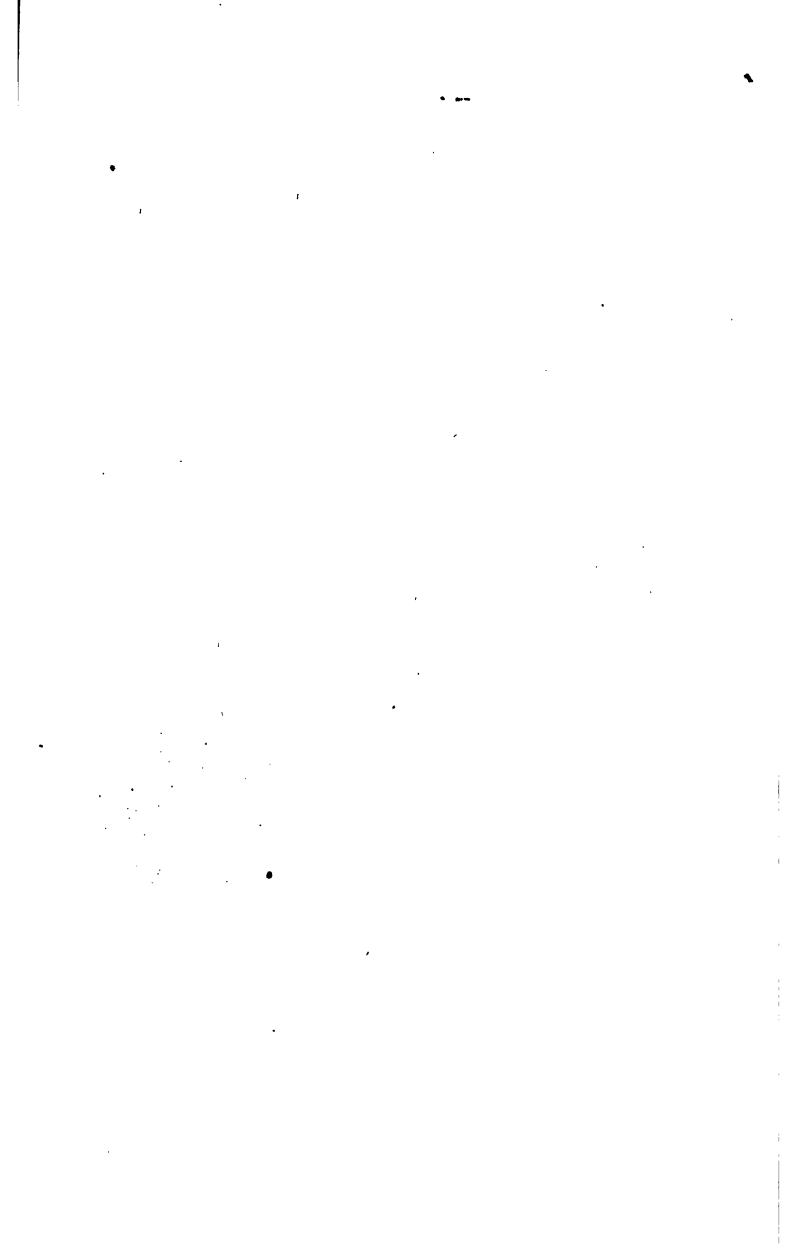
Synonyms, Dictionary of, 2 6

Music.....3 0

June 1854.

and 339 High Street, Edinburgh.

26.



*CHAMBERS'S EDUCATIONAL COURSE—EDITED BY
W. AND R. CHAMBERS.*

F I R S T
B O O K O F D R A W I N G.

N E W E D I T I O N.



WILLIAM AND ROBERT CHAMBERS,
LONDON AND EDINBURGH.

1854.

1701. f. 3.

EDINBURGH:
PRINTED BY W. AND R. CHAMBERS.

P R E F A C E.

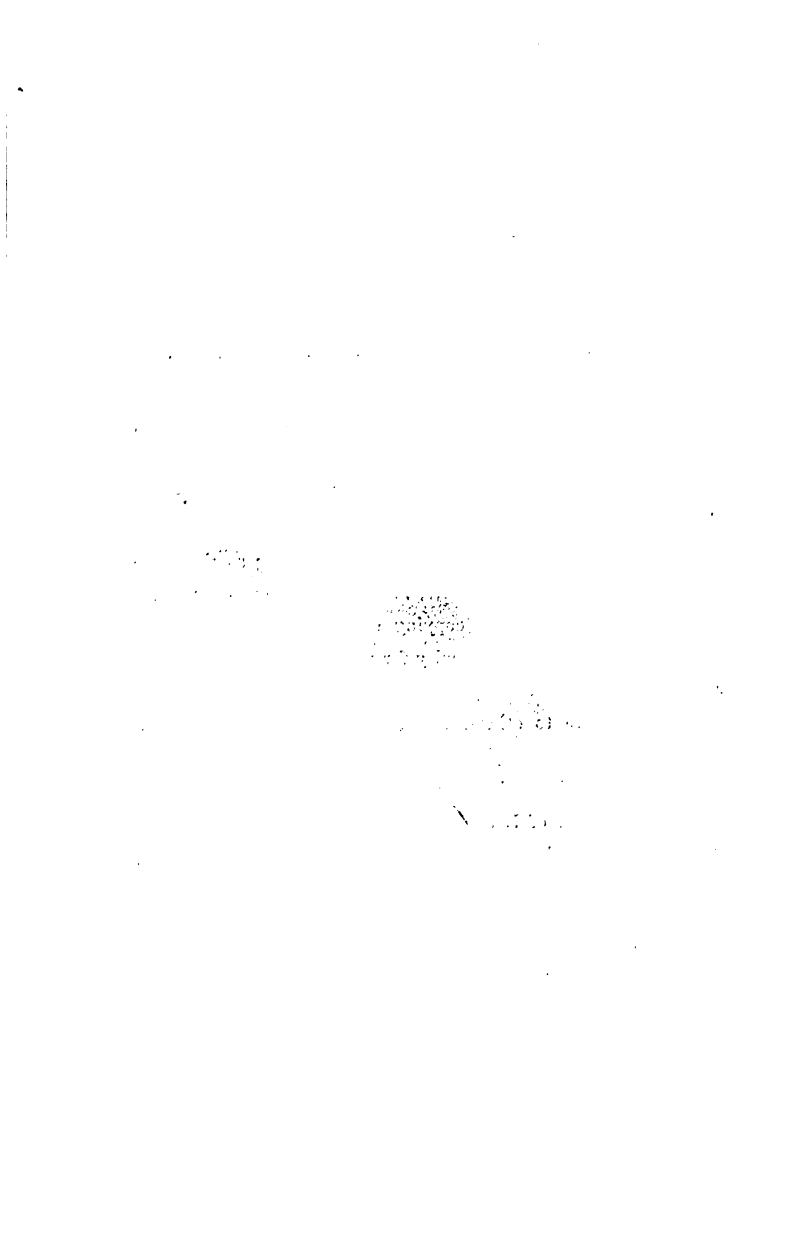
It is universally acknowledged, that Drawing is a branch of education which demands not a little attention and skill, before the pupil can become conversant with its rules, or an adept in its practice.

In the majority of instances, children have all more or less some idea of the elements of Drawing, and are able, without any teaching, to delineate simple objects according as these are suggested by their fancy; others, more gifted, possess a natural talent for originating and copying designs; whilst a few are endowed with a wonderful faculty for portraying natural objects, and blending natural scenery into the most harmonious grouping, affording pleasure to others, and creating a laudable spirit of emulation.

The present book has been carefully prepared with the view of promoting the Art of Drawing amongst juvenile scholars; and, as will be observed, the subjects are entirely progressive, and varied to an extent consistent with the limits of this Educational Course book.

EDINBURGH, *July* 1854.





FIRST BOOK OF DRAWING.

INTRODUCTION.

Until the pupil acquires some degree of proficiency, a slate or black-board should be used; after which, the result of this initiatory experience may be conveyed to paper or bristol-board, a saving being thus effected, and a tangible result shewn.

Nos. 1 to 5 are simple lessons in Perpendicular and Horizontal Lines; also Curves.

This prepares the pupil for the following four subjects. No. 7 being a useful lesson in Perspective. No. 8, though apparently difficult for this early stage, is nevertheless a good lesson in Foreshortening; and when studied a little, and practised, will help the pupil over many subsequent difficulties.

The rudiments of the art being thus acquired, and the scholar conversant with straight lines and curves, he may now attempt the simpler objects of Landscape—such as Country-houses, &c.; but before going thus far, the instructor should explain that all lines used in Drawing are either straight or curved, or a modification of either; and the pupil should be impressed with the truth, that in nature the curve presents an infinitely more elegant appearance, and is more pleasing to the eye, than a straight line. The bending of the boughs of trees or the stems of flowers, the serpentine winding of rivers, the convolutions of figures in dancing, and the rounded outlines of animals, all afford examples of the beautiful and elegant in curvilinear form.

It is a frequent complaint with regard to intellectual instruction, that it makes no adequate provision for inculcating just perceptions of the beautiful; and we would beg to draw the attention of teachers to the subject. No opportunity should be lost of contrasting elegant with unshapely forms, and of pointing out, that whilst the one is as easily produced as the other, the contrast to the eye is very great.

Nos. 10 to 20 exhibit progressive styles in Landscape, embodying chiefly foreground scenes; and it is humbly hoped they may afford pleasure as well as instruction to the copyist.

The two following subjects are intended as lessons on trees—the Scotch-fir and Willow.

No. 23, the Juvenile Anglers, and 24, a wild Highland Scene with Water-fall, may not be out of place here.

The Carronade and Capstan, &c., may give an idea of some of the implements on board a ship, and will be found serviceable as lessons in Grouping.

Whilst No. 22 gives an idea of still water, the Light-house and Waves are intended to represent rough water. The pupil will here observe that the character of a Drawing is entirely changed by the shading—a single touch of the pencil sufficing in some instances effectually to alter the appearance of the object delineated.

Nos. 28 to 34 exhibit various animals as nearly after nature as possible. They occupy a considerable portion of this little work; but it is hoped, that as few landscapes are complete without them, besides being objects worthy of attention themselves, they may serve their desired end.

While about this stage of advancement, and when the mind has awakened to the power of expressing objects by various lines of a dark or light character, the attention should be invited to the method in which a person is able to draw an object from memory of its appearance. It may be done in the following terms:—

When we see, for example, a chair standing on the floor, we observe its shape or figure, its line of back, seat, legs, &c. We then take a pencil, and bending the mind intensely on the form of the chair, try to define all the lines of the object on the paper or board. The more perfectly that the hand can obey the direction of the mind, while bent in thought on the object, so will the Drawing be more true in all its details.

The pupil, therefore, must be taught to call up the whole power of his mind respecting the appearance of an object when he wishes to represent it by a Drawing. On this, indeed, may be said to rest the fundamental principle of delineation in all its branches. The hand is merely the instrument employed by the imitative faculty, and can never be effective without the strong concurrence of the will.

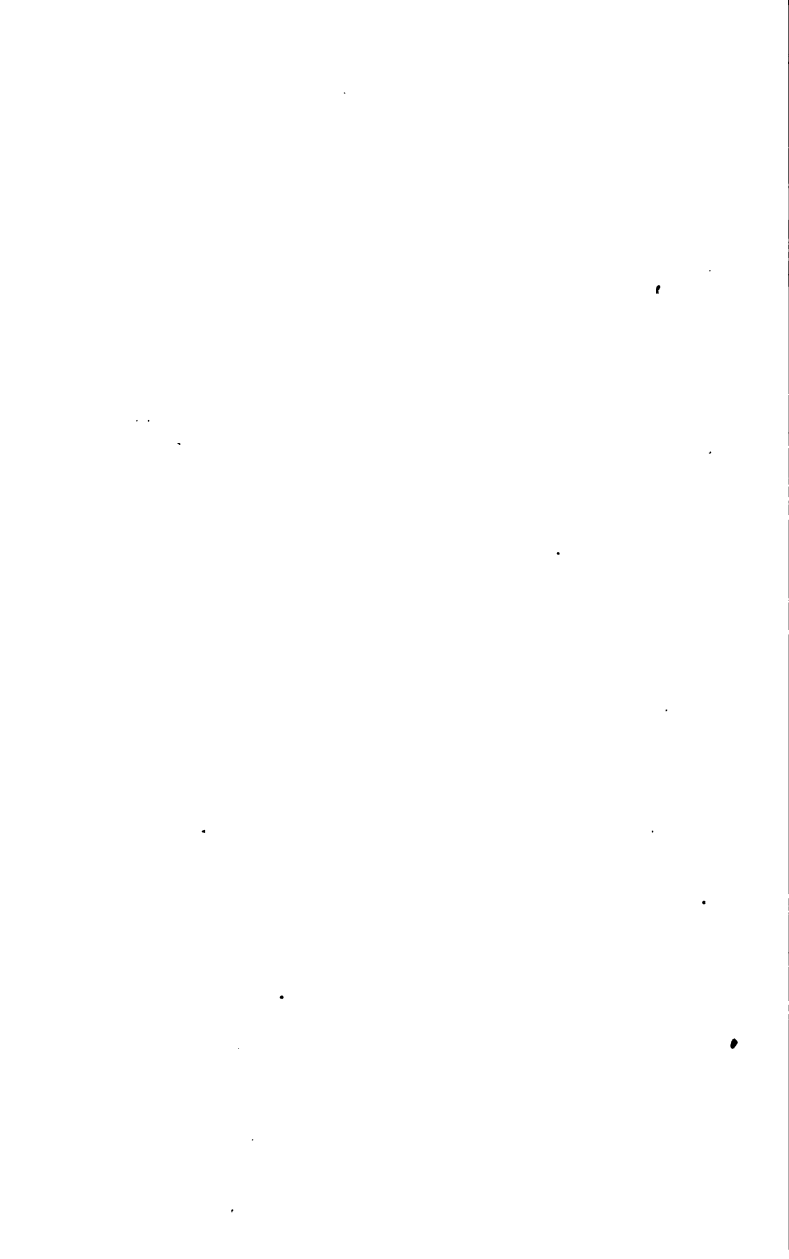
Next in order come two pages of ancient Vases, Jugs, &c., which have been carefully selected from an able work on the subject, and which are calculated to give to the pupil elegant ideas of the antique.

No. 37—The Hand and Foot, in themselves difficult studies,

require considerable care in the delineation. The same remark applies to the page on Eyes, &c., and Heads (No. 39). Here the figures denote the relative proportions that each feature bears to the head itself.

Nos. 40, 41, and 42 are studies after some of the best masters, and well adapted to inspire the pupil's mind with the grace and elegance of the originals.

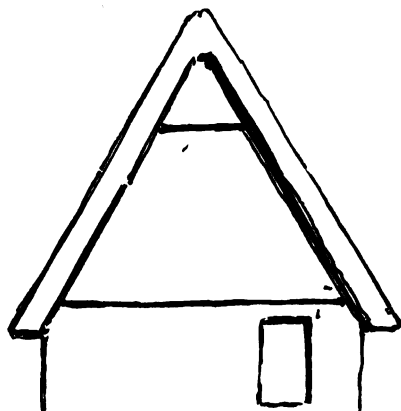
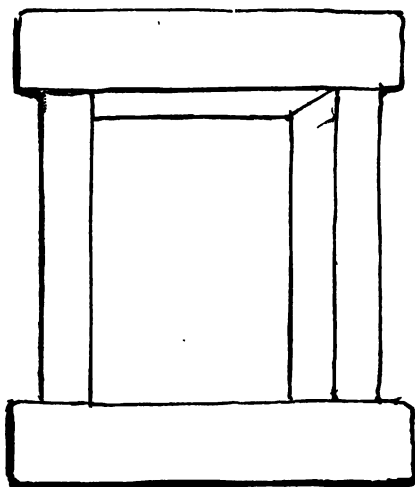
And, lastly, the Vase of Flowers and Group of Fruit serve well to finish this little work, and to incite the young artist to arrange for himself—to go to the fields, and to take Nature herself for his study, assuring him that his ideas will be expanded and his pleasure heightened; and his reward will be certain, if he even succeed in copying a bird or a flower as a commencement of what may some day afford pleasure and gratification to himself, and a lasting benefit to mankind.

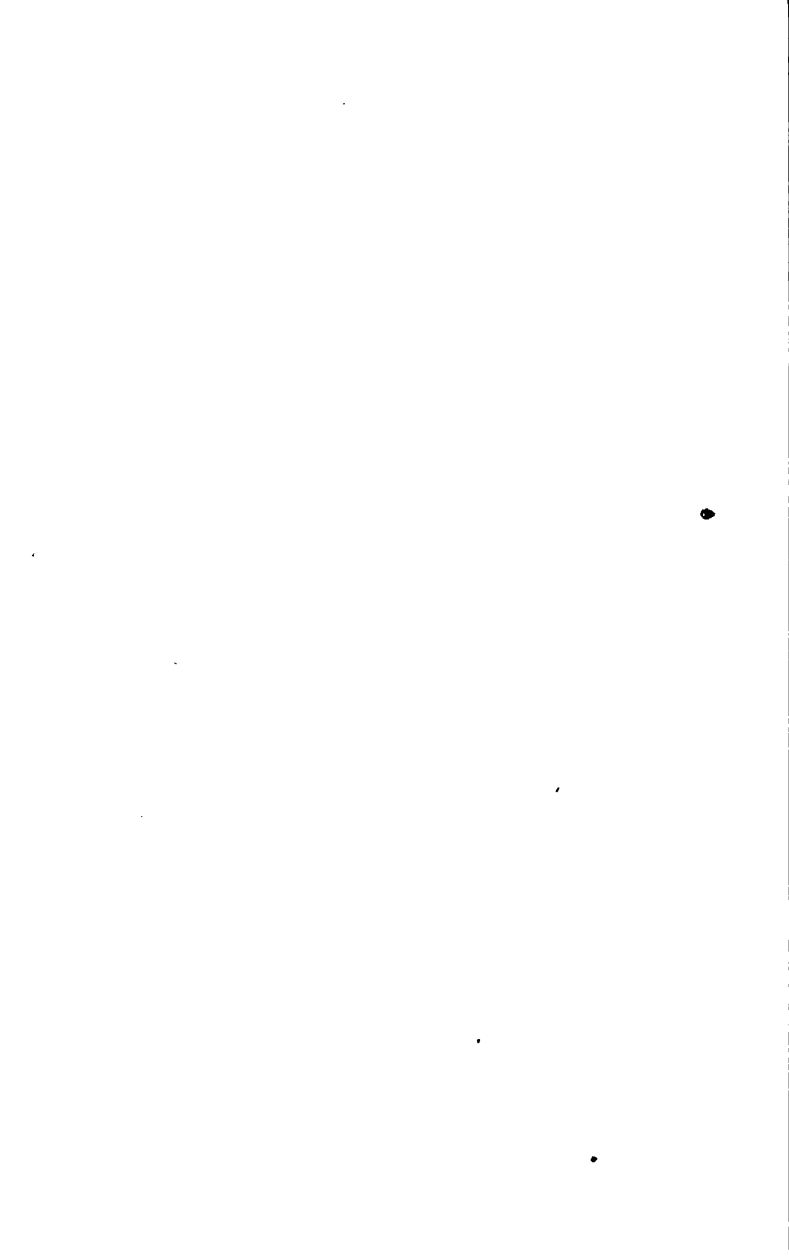


No. 1.

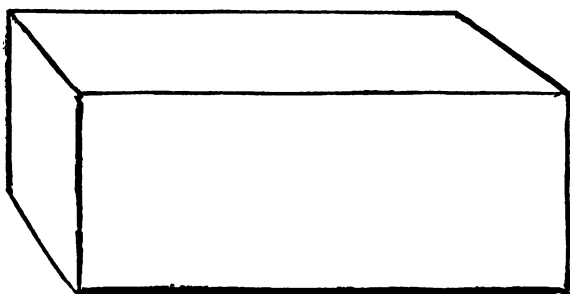
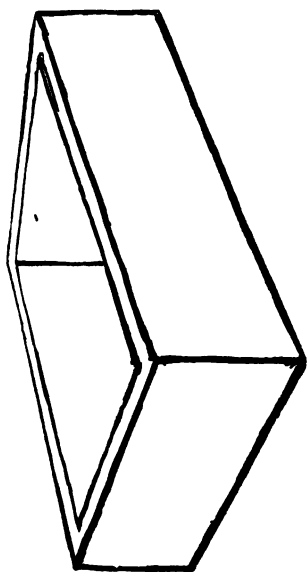
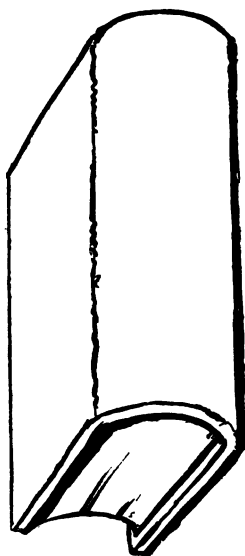


No. 2.



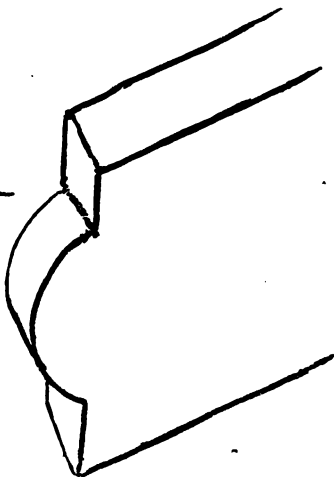
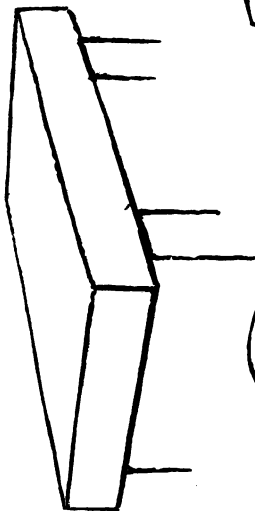
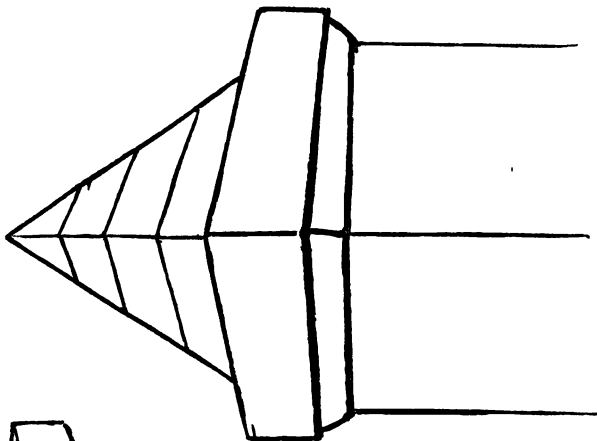


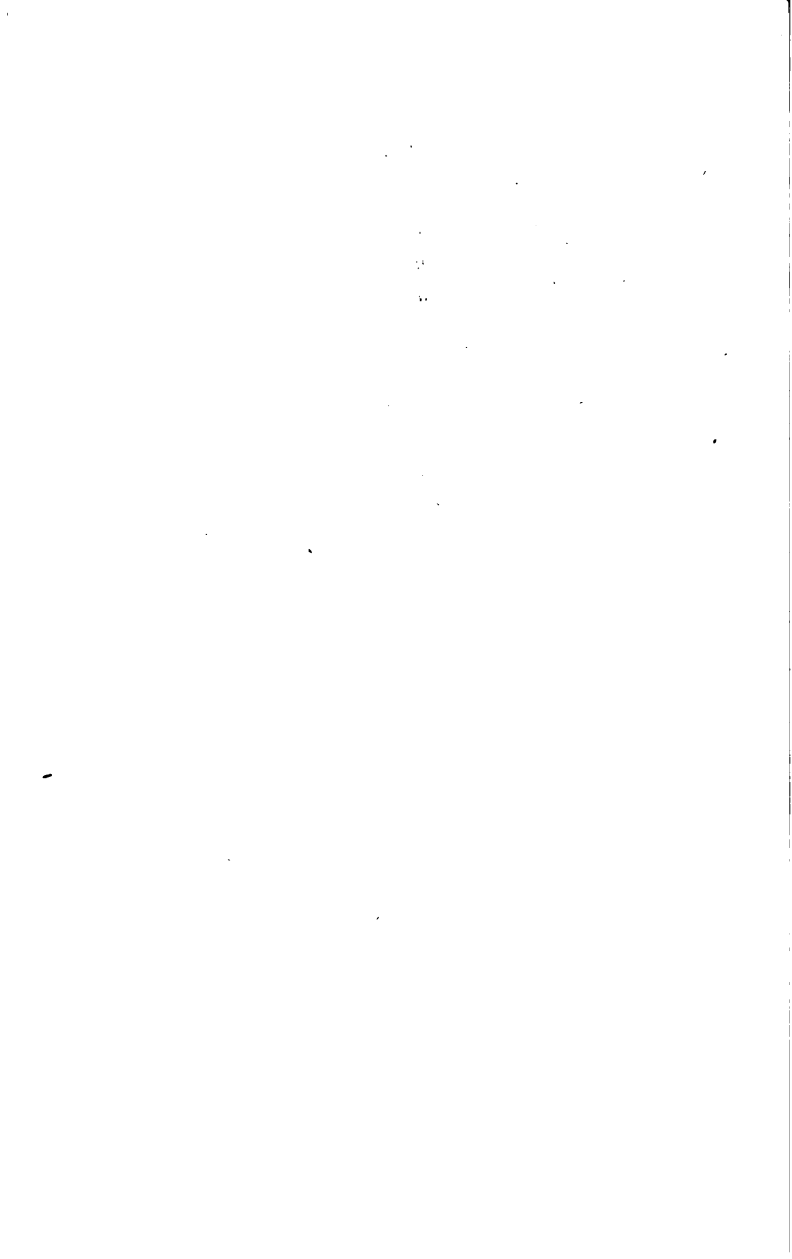
No. 3.



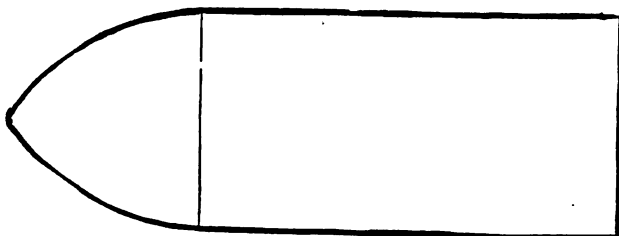
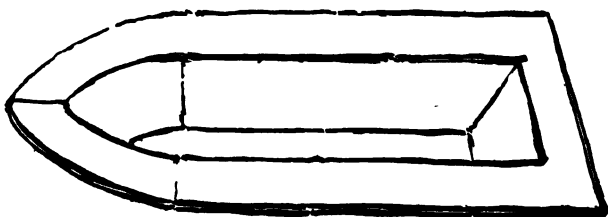
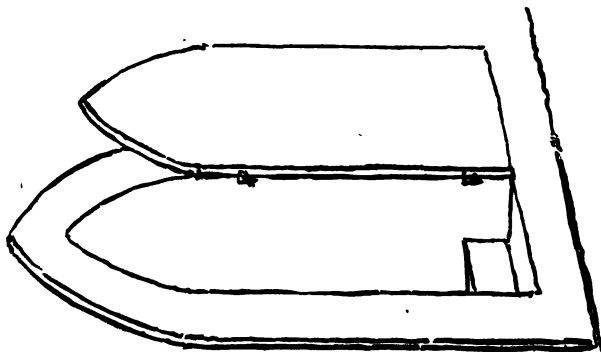


No. 4.



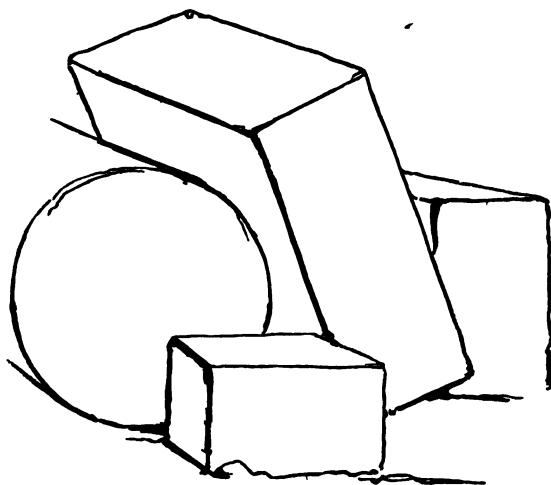


No. 5.



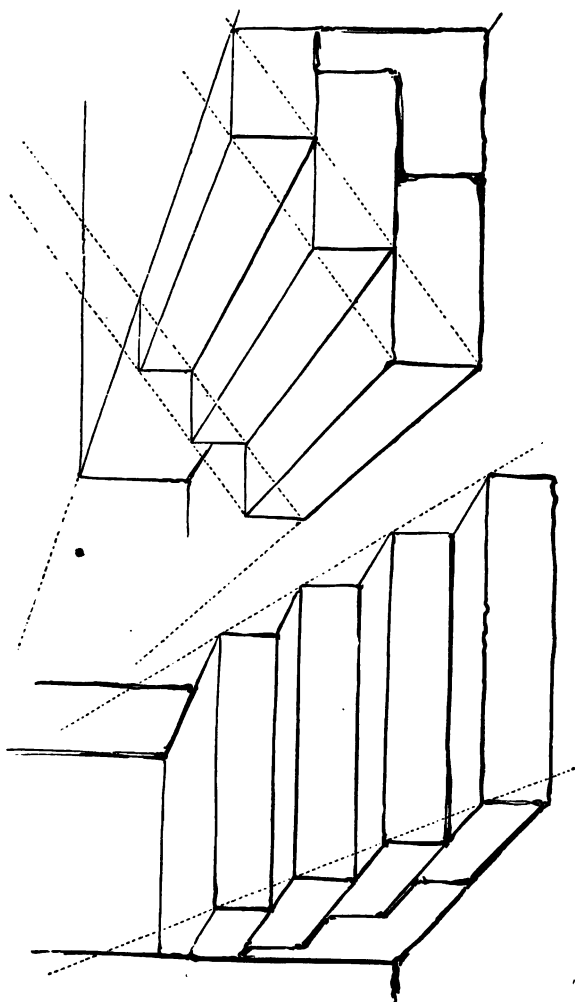


No. 6.

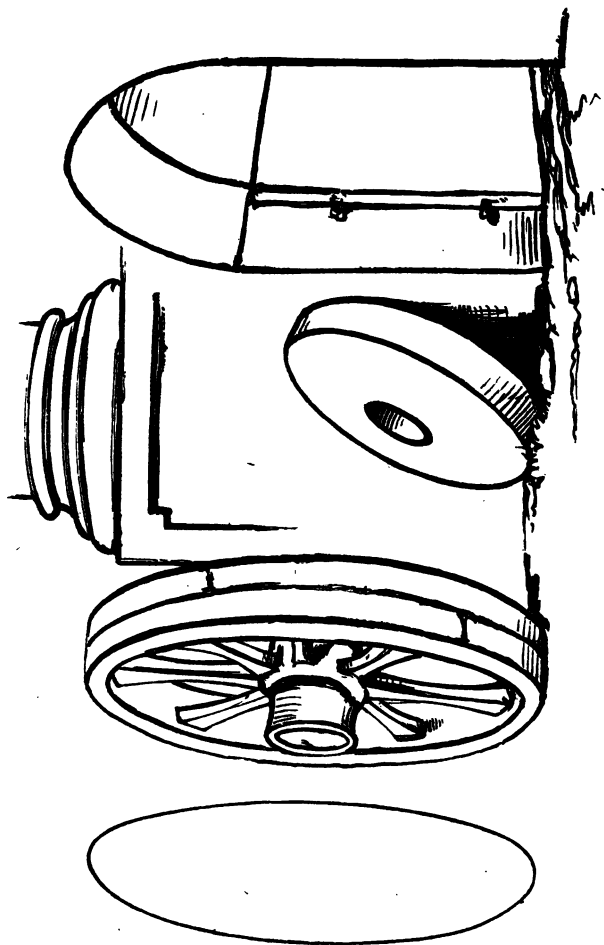




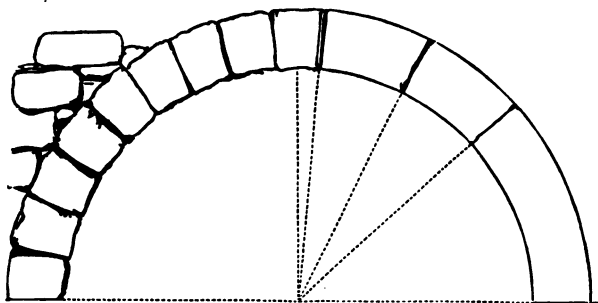
No. 7.

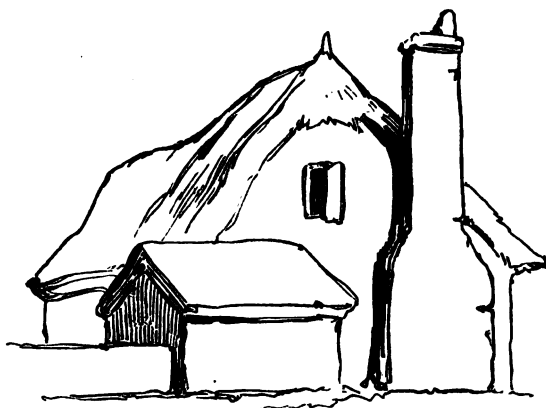


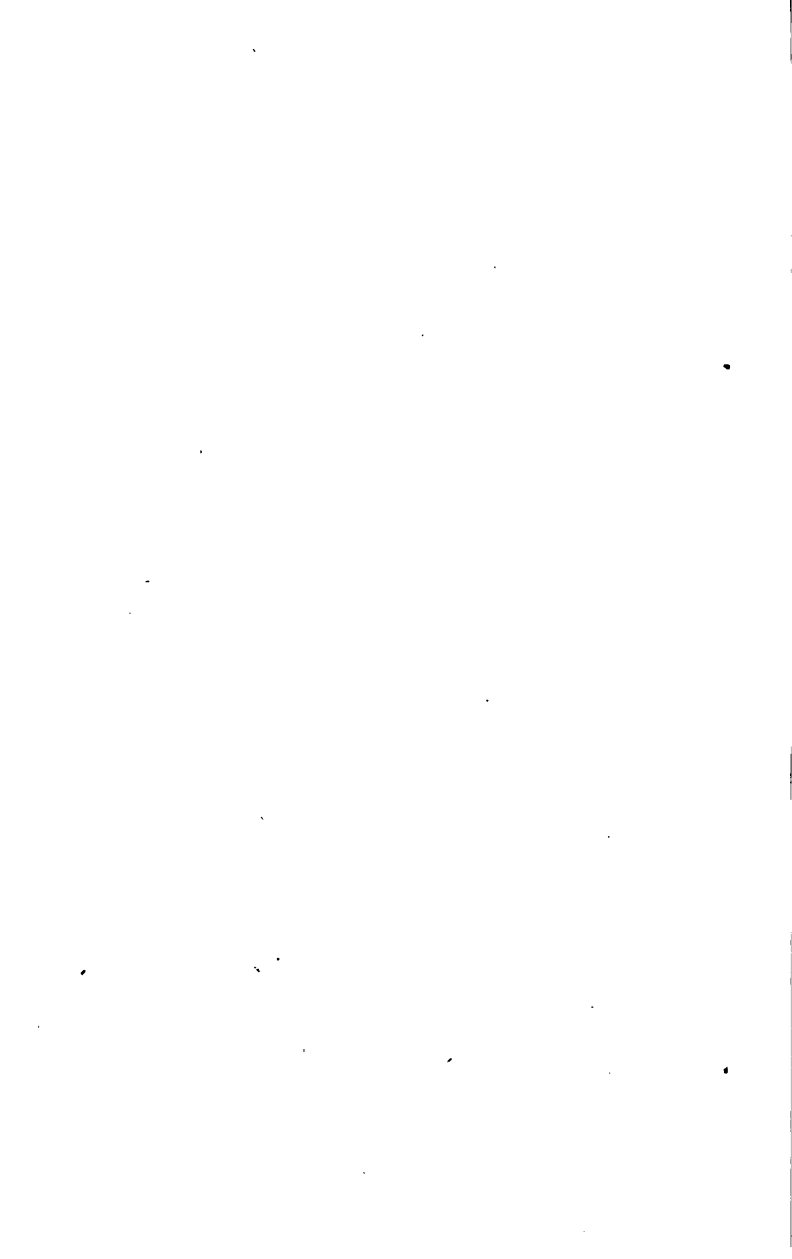




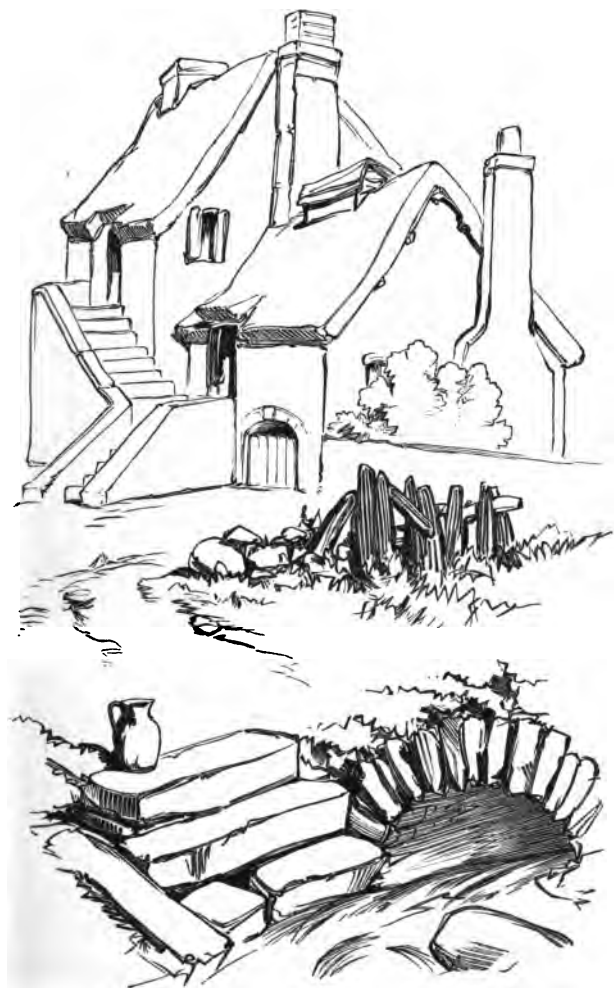






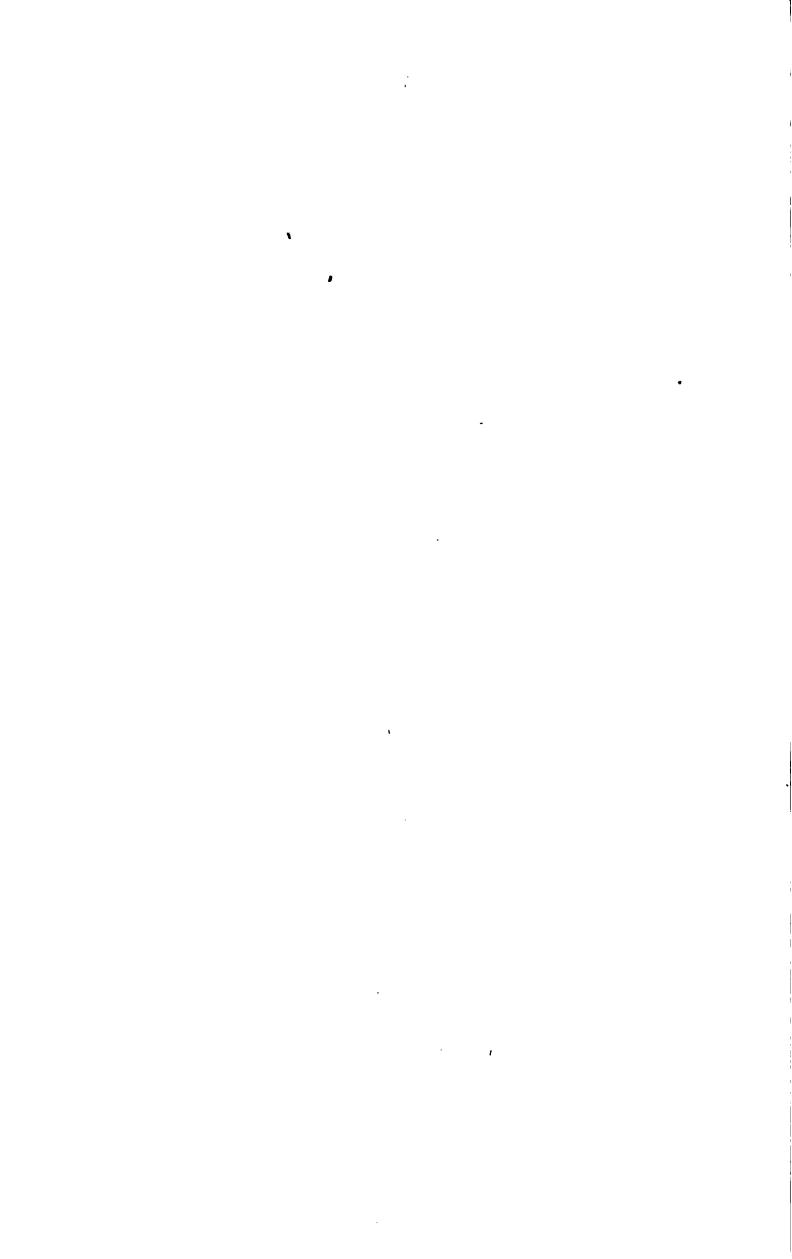


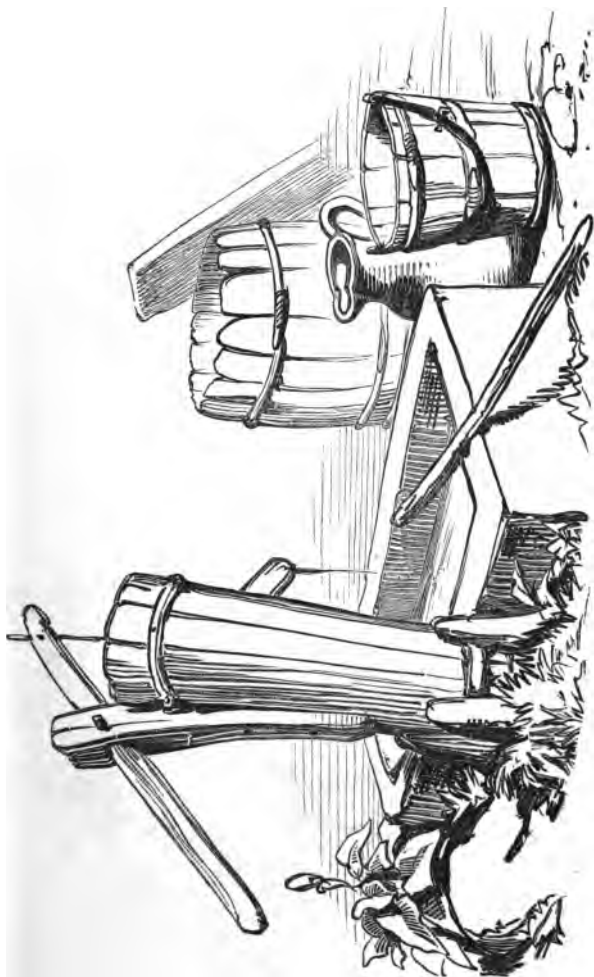
No. 11.



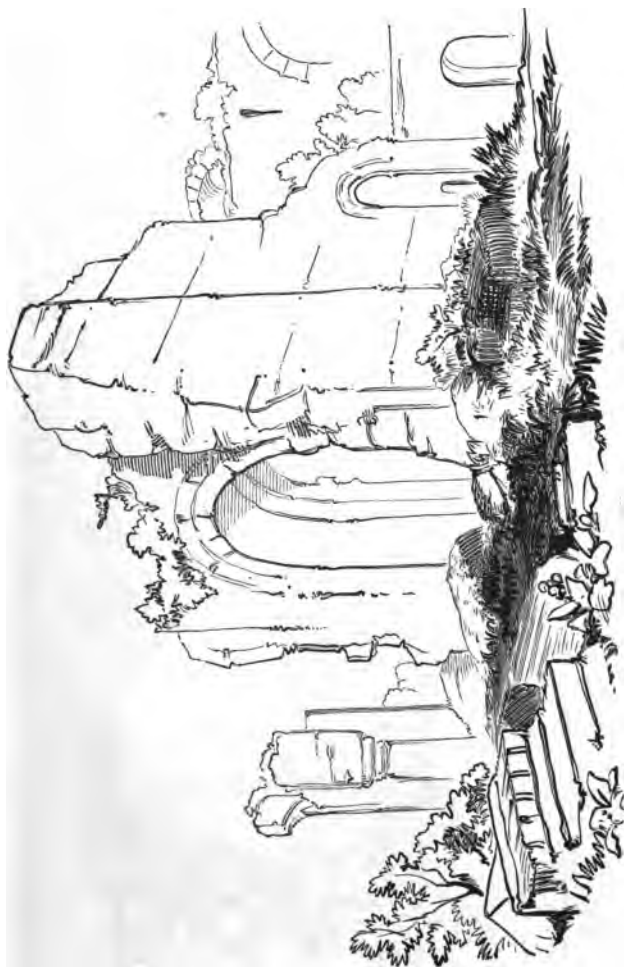




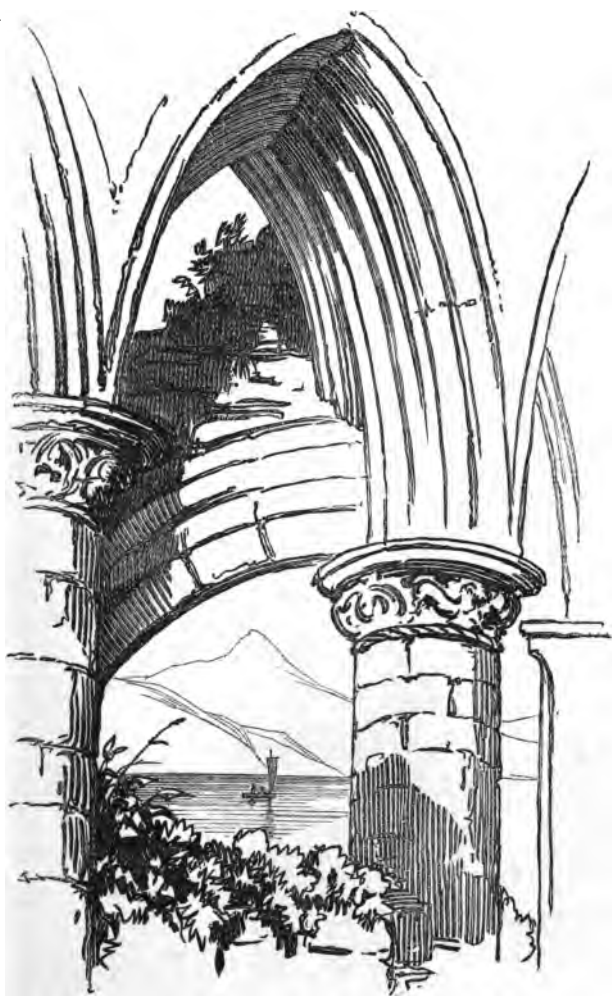


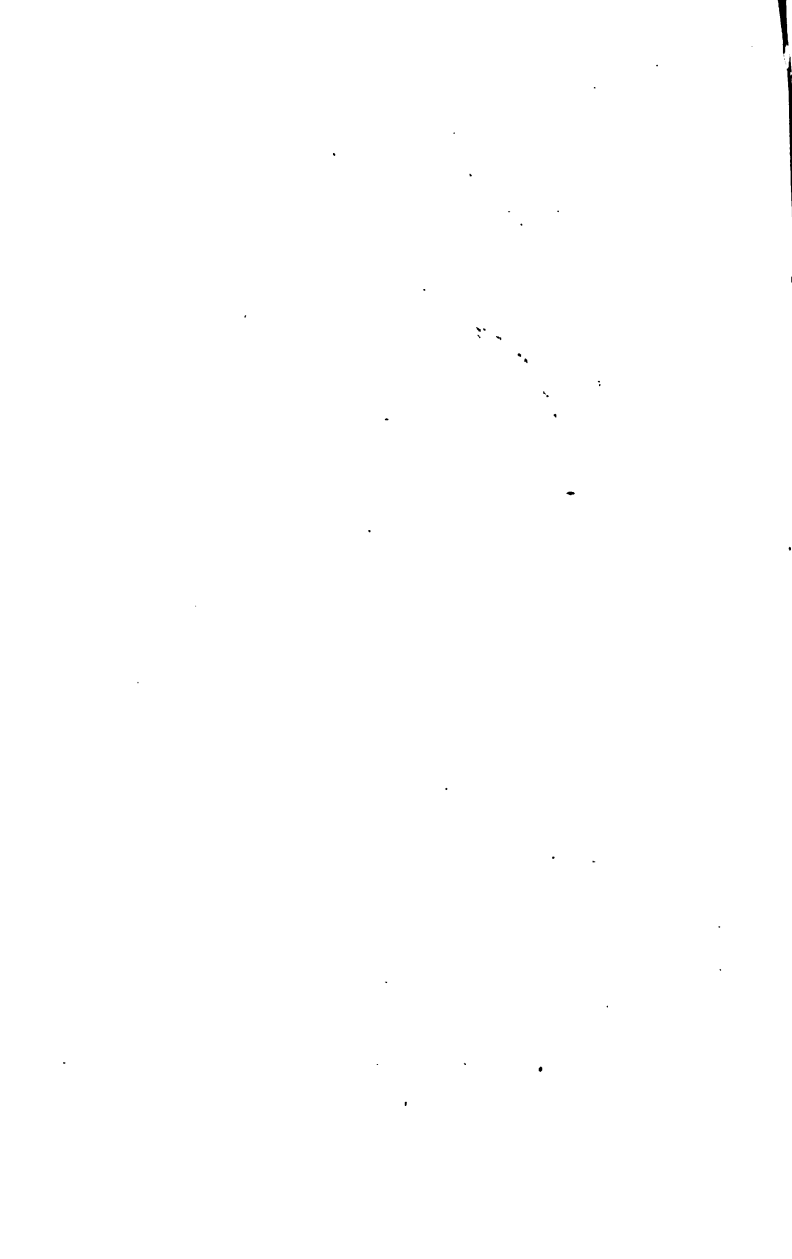


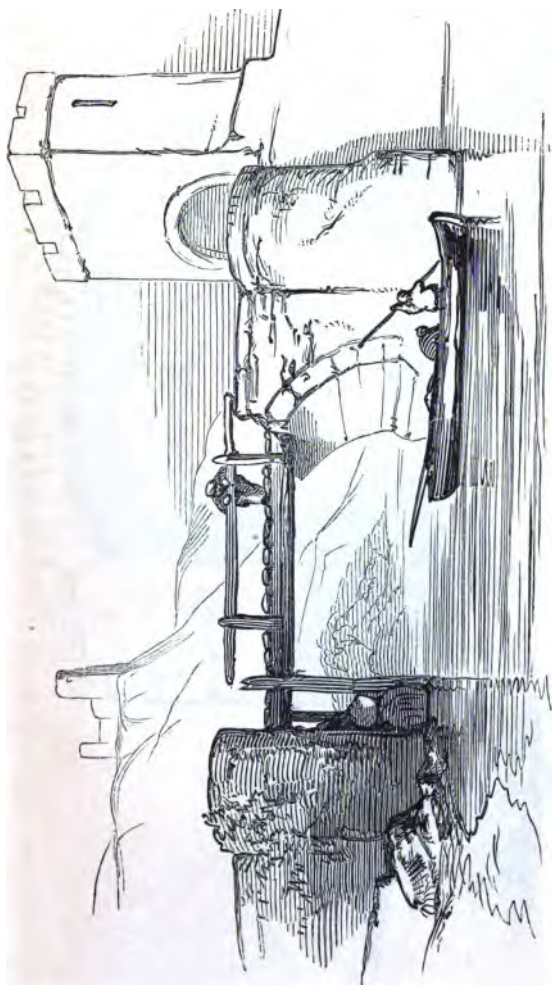


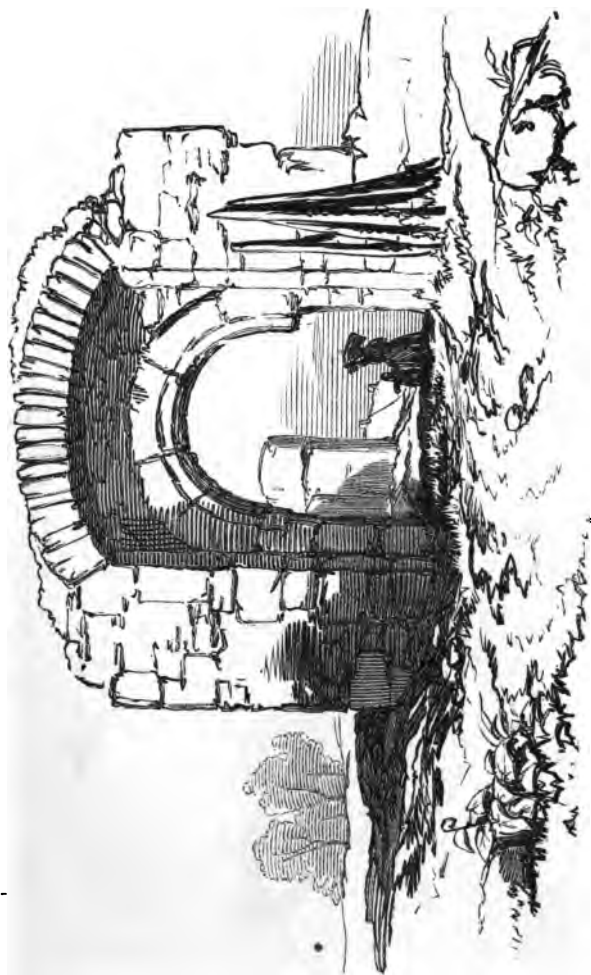


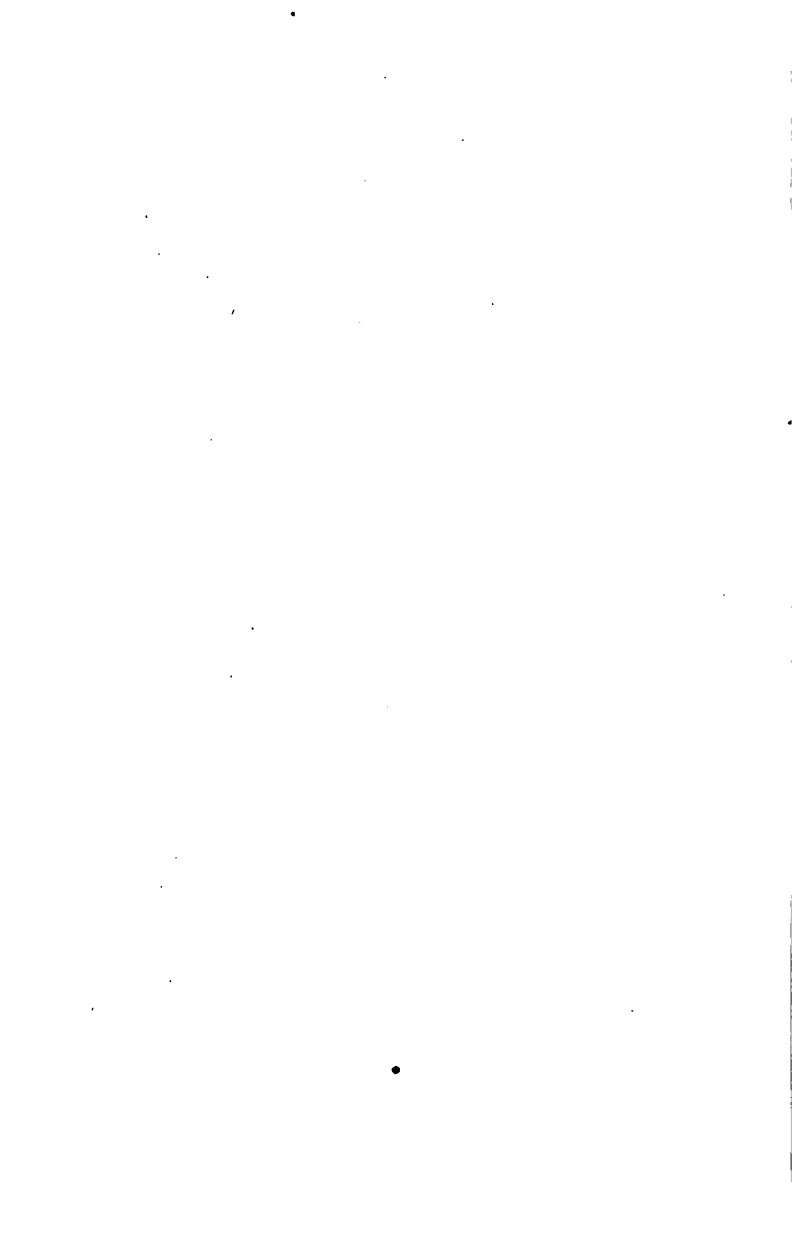






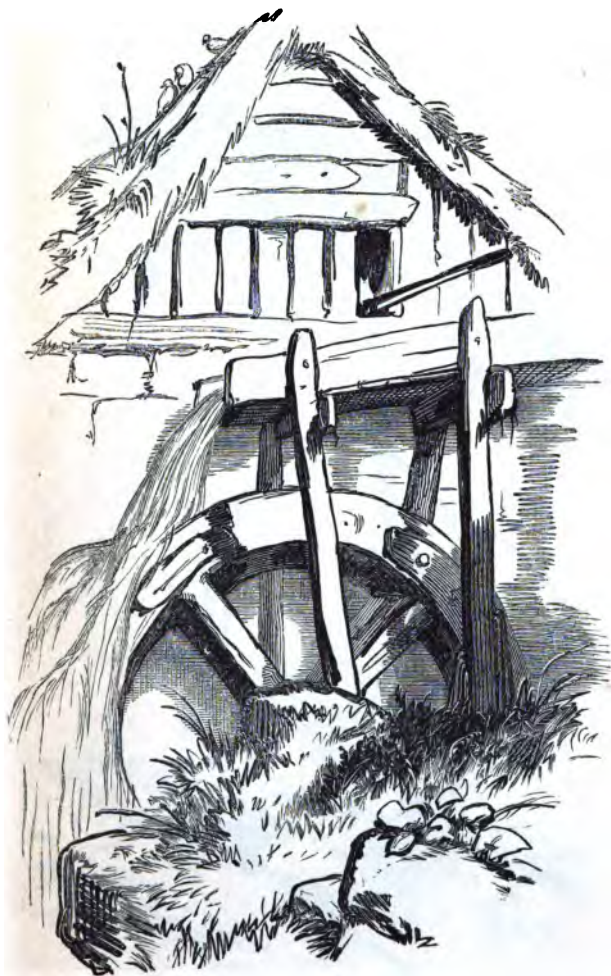


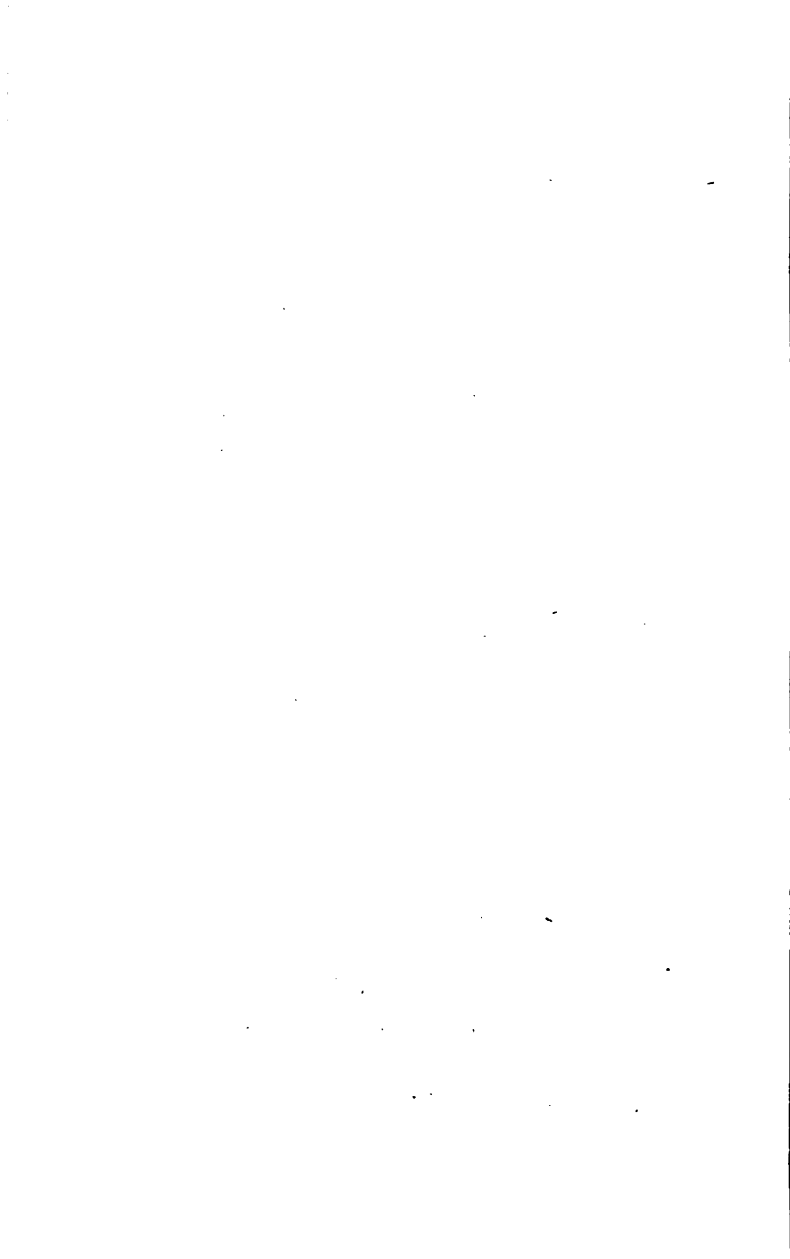












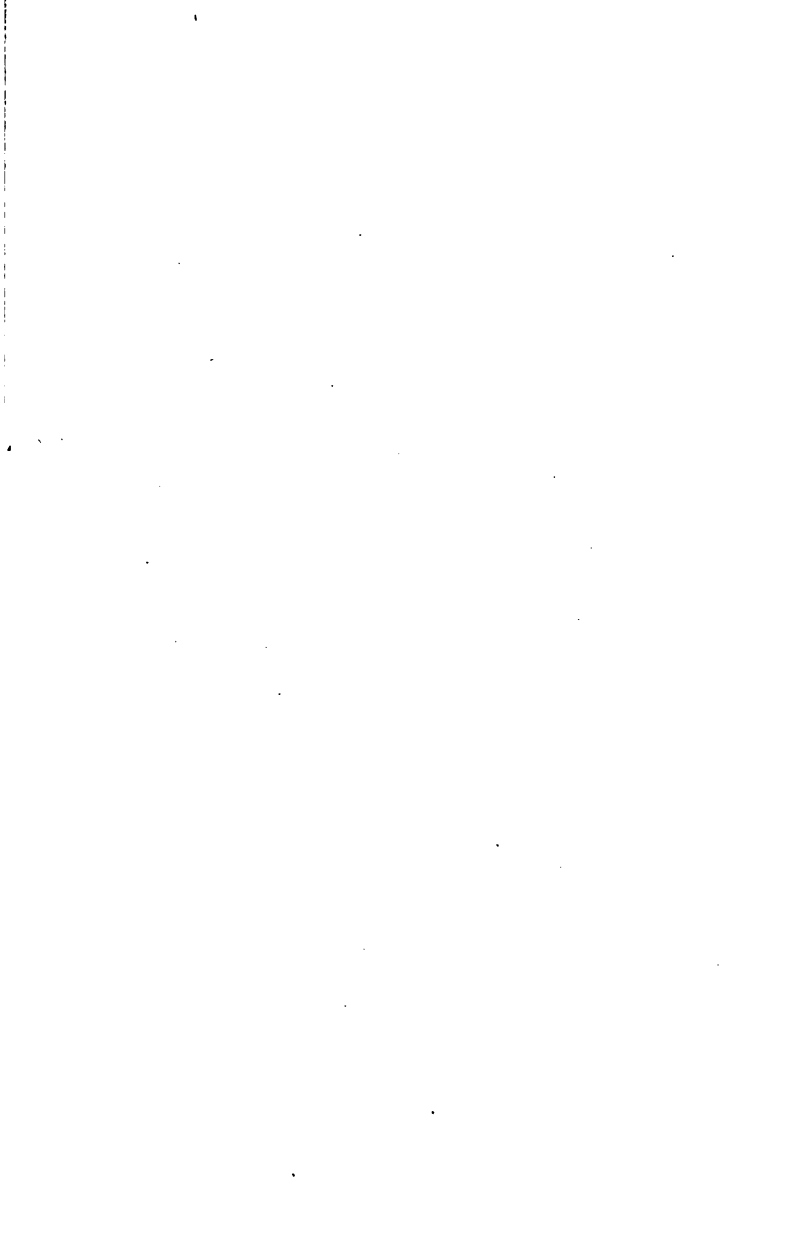












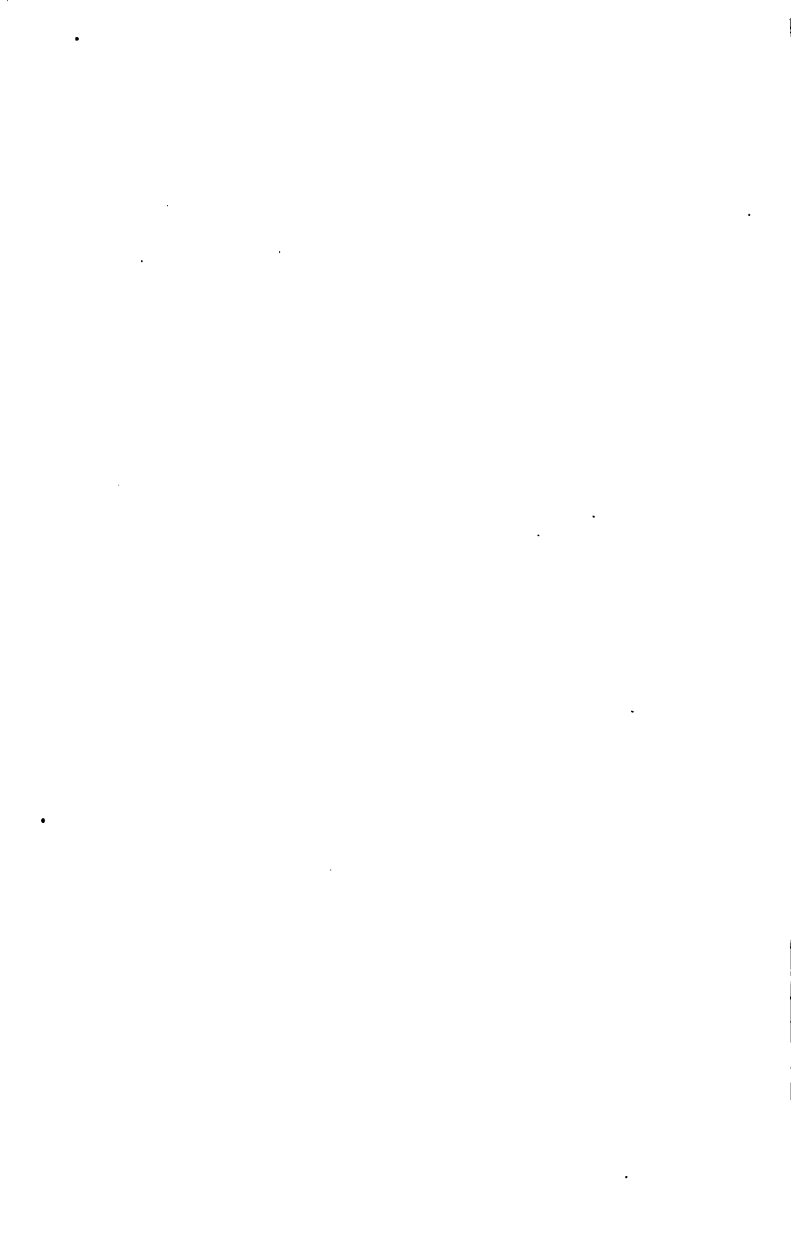


No. 25.



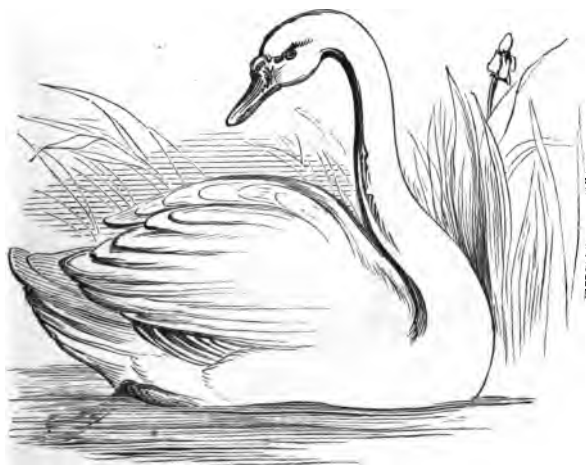
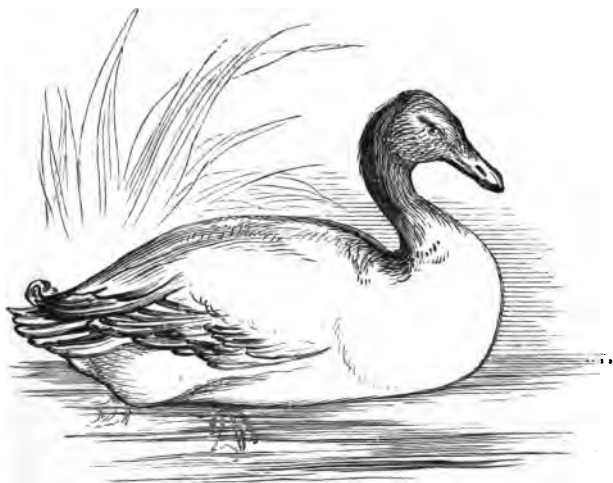




























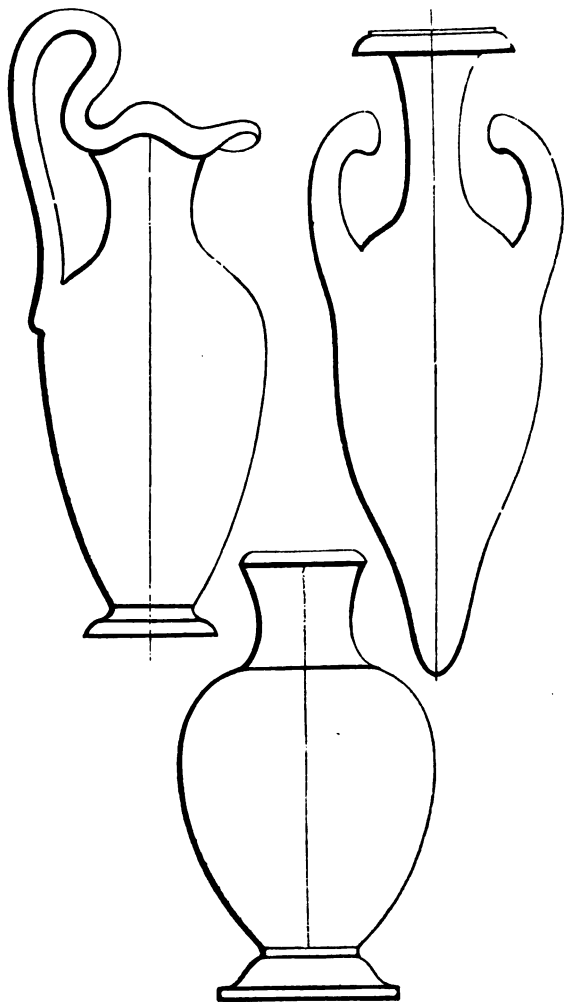


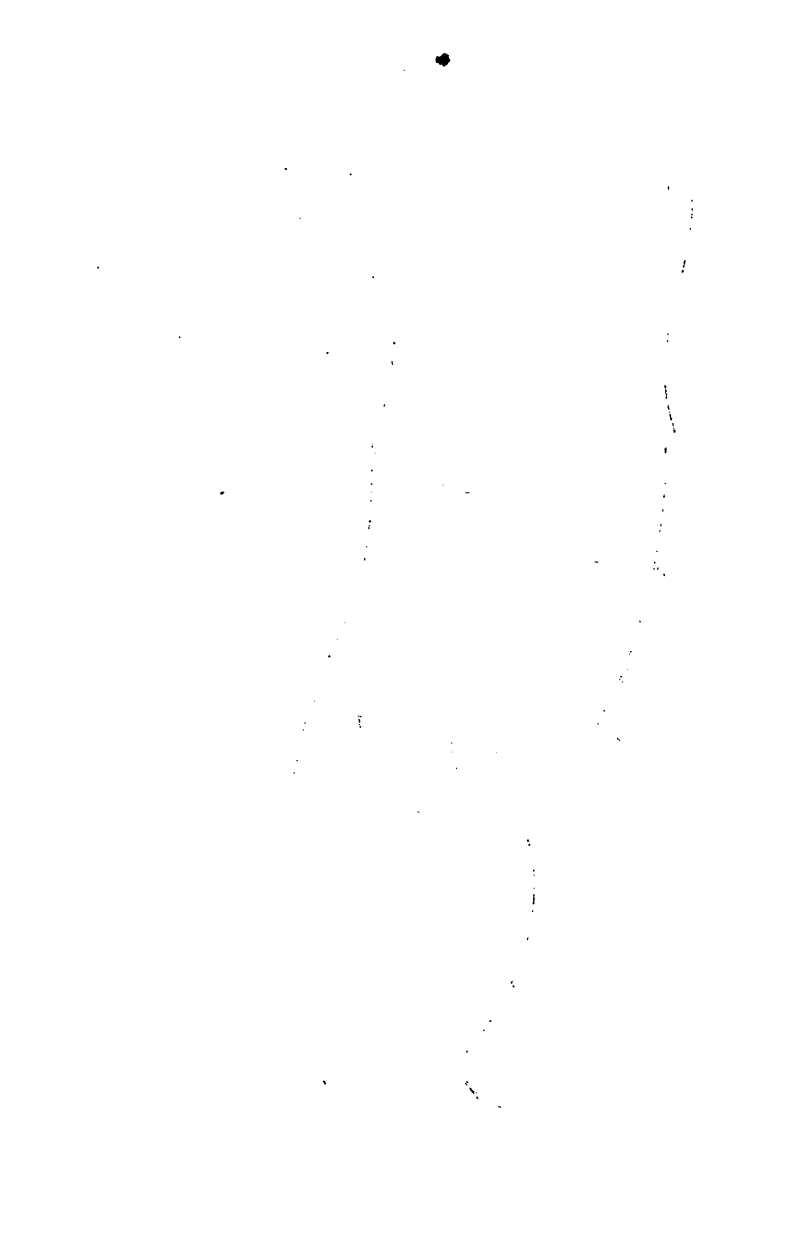




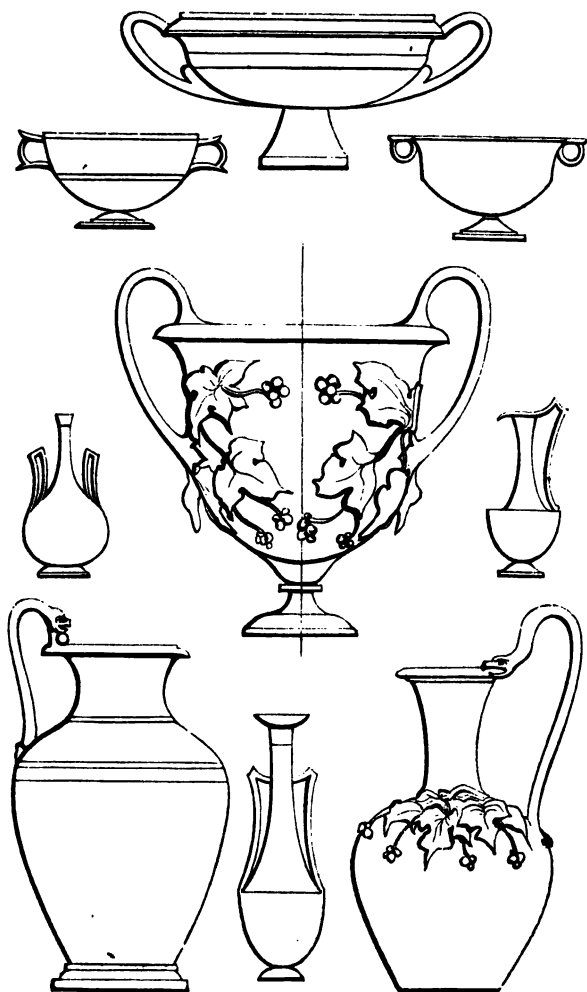


No. 35.

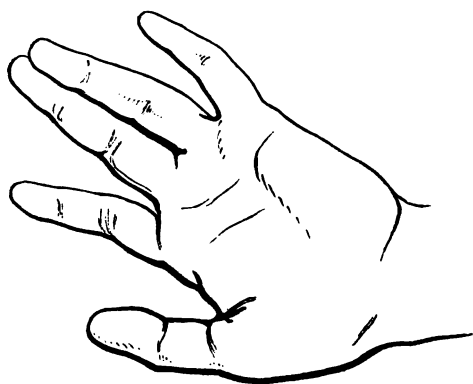


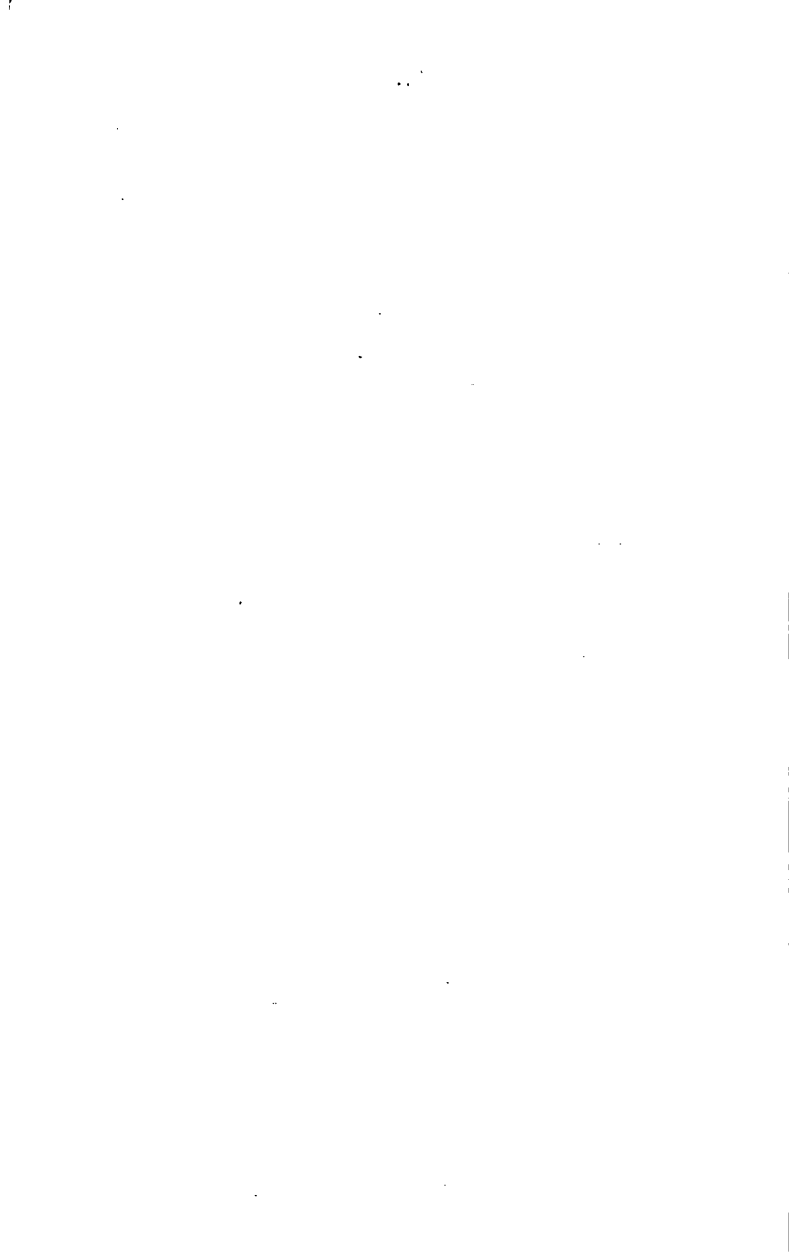


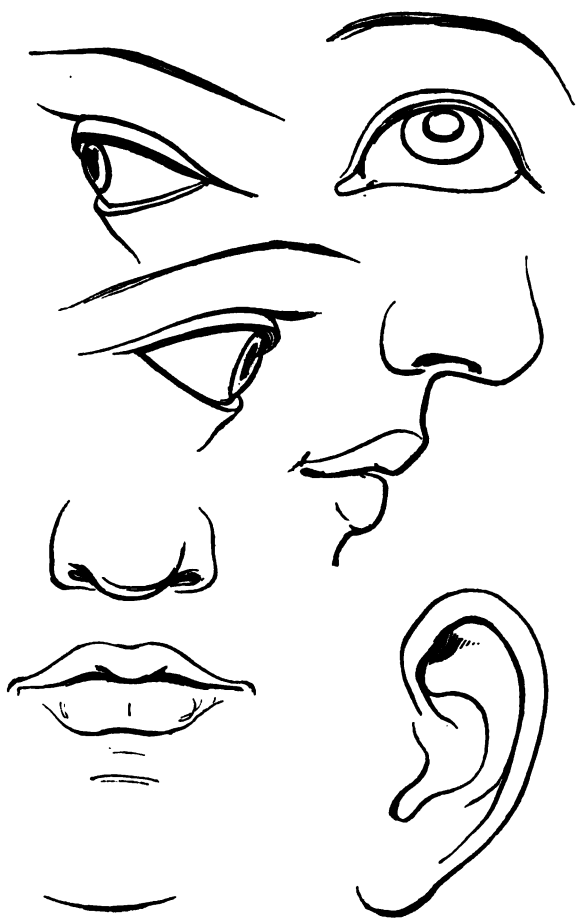
No. 36.



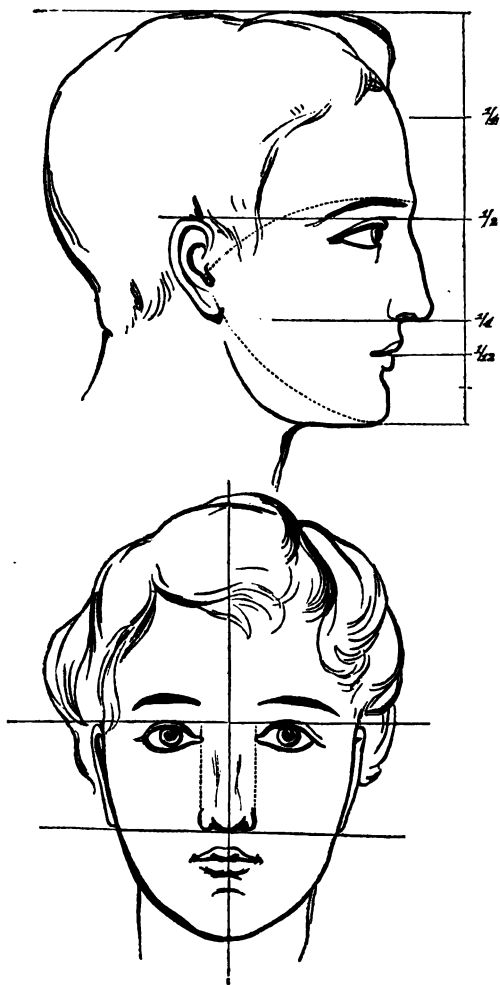
No. 37.





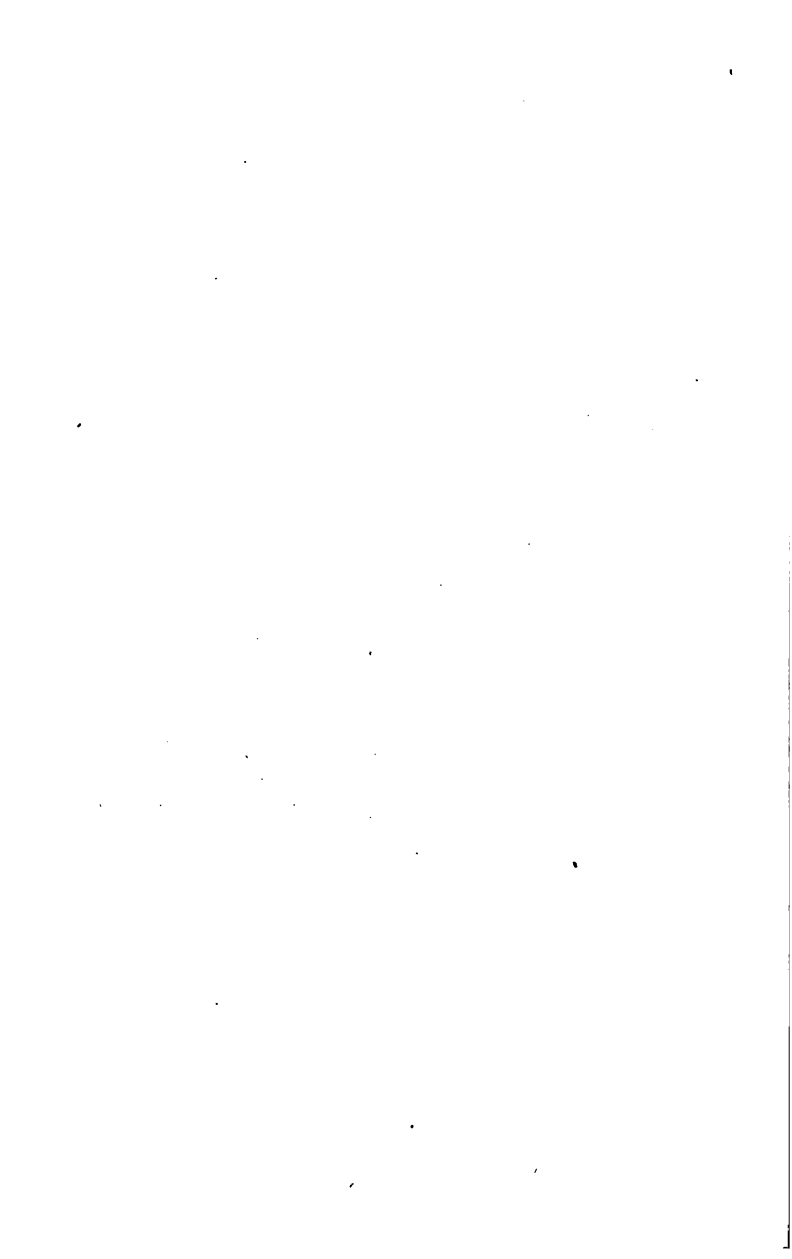


No. 39.













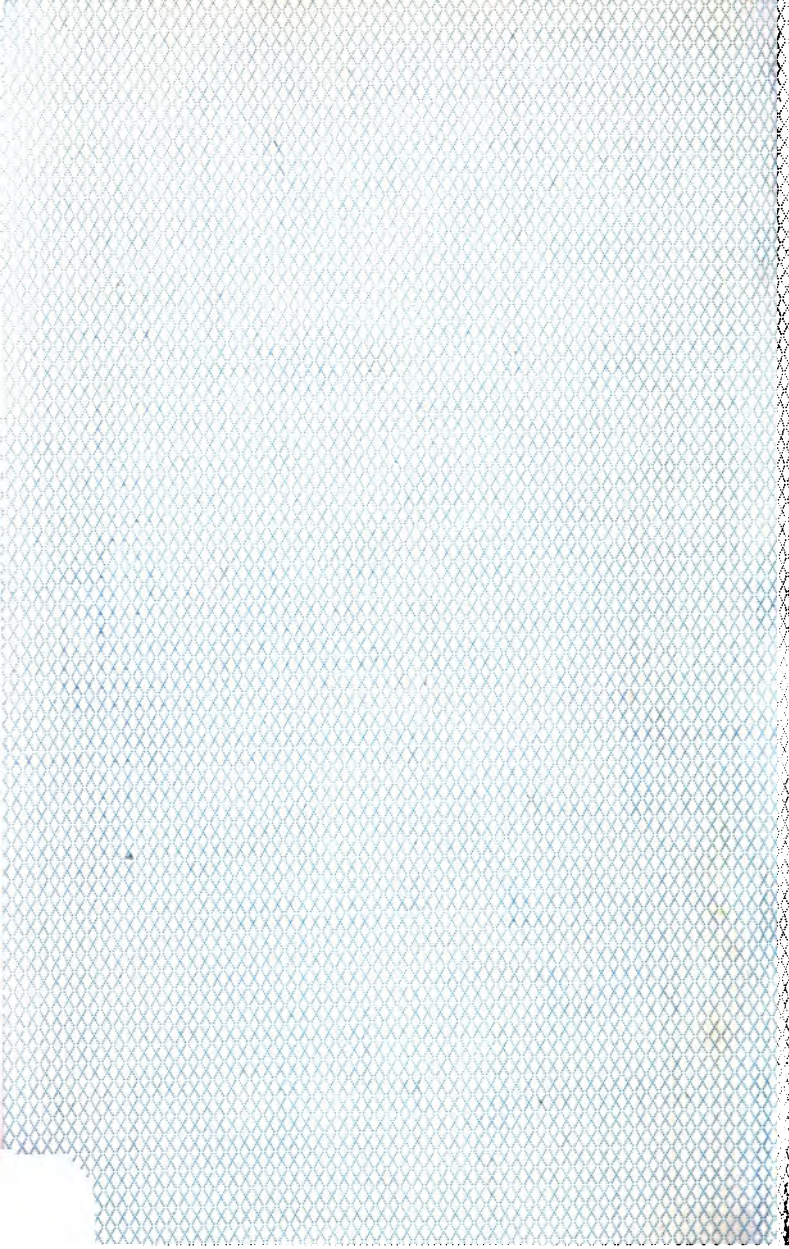












Miscellaneous Publications.

Chambers's Journal of Popular Literature, Science, and Arts.

Issued in Weekly Numbers, at 1½d.; in Monthly Parts, at 7d. and 8½d.; and in Half-yearly Volumes, cloth, at 4s. 6d.

Chambers's Edinburgh Journal.

SECOND SERIES.

This series forms a complete work, in Twenty handsome volumes, well adapted for Popular as well as Private Libraries, for Emigrants, and for Presents; price L.3, 7s. in sheets, or L.4, 10s. bound in cloth. Each volume separately, in cloth, 4s. 6d.

Chambers's Repository of Instructive and Amusing Tracts.

Publishing in Weekly Numbers at 1d.; in Monthly Parts at 5d.; and in Two-Monthly Volumes, fancy boards, at 1s. each.

Chambers's Pocket Miscellany.

Illustrated with Frontispieces, in 12 Volumes, cloth lettered, price 1s. 6d. each. Also, in 24 Volumes, price 6d. each, paper covers.

Chambers's Papers for the People.

In Twelve Volumes, at 1s. 6d. each, fancy boards; and 96 Numbers, at 1½d. each.

Chambers's Miscellany of Useful and Entertaining Tracts.

In Twenty Volumes, at 1s. each, fancy boards; or in Ten Volumes, cloth, at 2s. each.

Chambers's Library for Young People.

This series, which embraces Moral and Religious Tales, History, and Poetry, is completed in Twenty Volumes, cloth lettered, illustrated with Frontispieces, price 1s. each.

Chambers's Instructive and Entertaining Library.

A series of Original and Selected Works in different departments of Literature, suitable for popular Entertainment and Instruction. These BOOKS FOR THE PEOPLE are published in Volumes, cloth lettered.—Twenty-two Volumes issued.

Chambers's Information for the People.

A New and Improved Edition, complete in Two Volumes, price 16s. cloth; in 24 Parts, at 7d.; or 100 Numbers, at 1½d. each.

Chambers's Cyclopædia of English Literature.

A Critical and Biographical History of English Writers in all departments of Literature; illustrated by copious specimens of their Writings.

Two Volumes, 14s. cloth.

Chambers's Atlas for the People.

Consisting of Thirty-four quarto maps, coloured in outline, illustrative of Modern and Ancient Geography. Price 12s. 6d. cloth.

Tales for Travellers.

SELECTED FROM CHAMBERS'S PAPERS FOR THE PEOPLE.

In Two Volumes, cloth lettered, illustrated with Frontispieces, price 2s. 6d. each.

Commercial Tables.

Consisting of Reckoning, Interest, Annuity, Money, Weights, Measures, and other Tables; and forming a convenient Manual of Arithmetic and Counting-room. Price 3s. strongly half-bound.

Works of Robert

In seven post 8vo volumes, embellished with

Cookery and Domestic Economy

In One Volume, neatly bound

